

Converting Colors

XYZ(58.3423, 65.8935, 17.9804)

Have a look what the booklet for
XYZ(58.3423, 65.8935, 17.9804)
contains.

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Color

**XYZ(58.5338, 66.0640,
18.0541)**

Conversions

Conversions Part 1

Format	Color
Hex	E6D754
RGB	230, 215, 84
RGB Percent	90%, 84%, 33%
CMY	0.0980, 0.1568, 0.6706
CMYK	0.00, 0.07, 0.63, 0.10
HSL	54°, 74%, 62%
HSV	54°, 63%, 90%
XYZ	58.5338, 66.0640, 18.0541
YIQ	204.5510, 50.9910, -37.5610

Conversions

Conversions Part 2

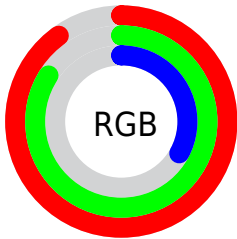
Format	Color
RYB	101, 230, 84
Decimal	15128404
CIELab	85.03, -10.07, 64.31
CIELCh	85, 65.097, 98.903
Yxy	66.0640, 0.4103, 0.4631
Android (android.graphics.Color)	4293318484 (0xFFE6D754)
YUV	204.5510, -59.4316, 22.3188
Hunter-Lab	81.2798, -13.6924, 43.7262

Details

The XYZ color **58.5338, 66.0640, 18.0541** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.4009, 16.5213, 76.8707**, and the grayscale version is **58.0874, 61.1124, 66.5514**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **29.6941, 34.2095, 5.8487** is the 20% darker color. If you saturate the color by 10%, you get **57.1802, 64.5696, 13.8649**, and if you desaturate by 10%, it is **60.1949, 67.7003, 23.8059**.

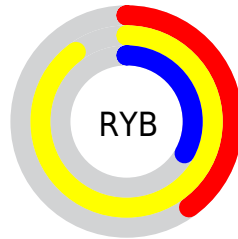
Distribution



Red (90%)

Green (84%)

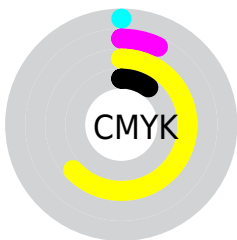
Blue (33%)



Red (40%)

Yellow (90%)

Blue (33%)

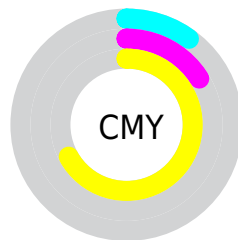


Cyan (0%)

Magenta (7%)

Yellow (63%)

Black (10%)



Cyan (10%)


Magenta (16%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5338, 66.0640, 18.0541 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.5338, 66.0640, 18.0541 by changing the saturation by 10% instead.


 58.5338, 66.0640,
18.0541


 58.5338, 66.0640,
18.0541


409.0939,
446.6057, 253.4222


 42.4829, 48.3244,
10.8190


 101.8183,
113.5782, 40.9447


 29.6723, 34.0838,
5.8326


 129.7826,
144.1215, 57.4372

 19.7368, 22.9580,
2.6764


 162.4487,
179.7015, 77.8527

 12.3111, 14.5625,
0.9315

 200.1819,
220.7026, 102.6095

 7.0296, 8.5129,
0.0000

243.3477,
267.5092, 132.1264

 3.5271, 4.4249,
0.0000

292.3114,

 1.4383, 1.9140,

320.5057, 166.8217

0.0000

347.4384,
380.0764, 207.1141

■ 0.2832, 0.5567,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5338, 66.0640,
18.0541

■ 58.5338, 66.0640,
18.0541

■ 57.1802, 64.5696,
13.8649

■ 60.1949, 67.7003,
23.8059

■ 56.0992, 63.1955,
11.0753

■ 62.1849, 69.4796,
31.2539

■ 55.2556, 61.9303,
9.4936

■ 64.5288, 71.4145,
40.5220

■ 54.7957, 61.1484,
8.9148

■ 67.2477, 73.5134,
51.7215

■ 70.3610, 75.7843,
64.9546

■ 73.8869, 78.2343,
80.3164

■ 77.8423, 80.8704,
97.8960

■ 80.0779, 82.8329,
106.3755

■ 80.7545, 84.1860,
106.6011

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4829, 66.0640, 19.8764



58.5338, 66.0640, 18.0541



46.7158, 66.0640, 25.6555

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.5338, 66.0640, 18.0541



43.3283, 66.0640, 135.3954



92.8983, 66.0640, 105.0407

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.5338, 66.0640, 18.0541



22.4009, 16.5213, 76.8707

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1883, 66.0640, 154.7141



58.5338, 66.0640, 18.0541



53.1916, 66.0640, 176.4566

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.5338, 66.0640, 18.0541



38.8780, 66.0640, 85.1495



67.2516, 66.0640, 184.6447



94.9229, 66.0640, 60.1592

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5338, 66.0640, 18.0541



41.6339, 66.0640, 37.8021



67.2516, 66.0640, 184.6447



90.1229, 66.0640, 122.1423

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.5353, 66.0671, 18.0554



86.6407, 94.1294, 72.3458



38.1543, 24.1045, 14.9631



18.3090, 19.9737, 14.4890



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5353, 66.0671, 18.0554



71.8240, 81.0716, 16.3060



47.3603, 66.2361, 18.6770



15.4685, 16.5509, 15.2838



31.0751, 34.7244, 5.0646



2.3330, 2.6393, 0.3865

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.4009, 16.5213, 76.8707



22.9369, 14.1186, 96.1240



28.2635, 17.6272, 76.7752



13.7013, 14.1241, 18.1484



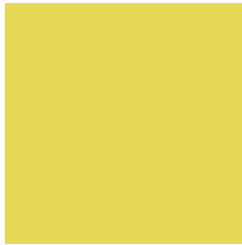
8.3079, 3.6779, 42.6552



0.6544, 0.3527, 3.1656

Previews

White Background



This preview shows how the XYZ color 58.5338, 66.0640, 18.0541 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.5338, 66.0640, 18.0541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

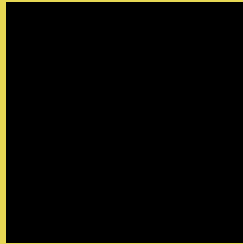
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5338, 66.0640, 18.0541

Background



This preview shows how black text looks on a background with the XYZ color 58.5338, 66.0640, 18.0541.



This preview shows how white text looks on a background with the XYZ color 58.5338, 66.0640,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.5338, 66.0640, 18.0541

Protanopia

60.2806, 66.2176, 17.7878

Deuteranopia

66.4710, 65.9010, 28.2855



Tritanopia

70.2629, 66.1281, 74.7064

Trichromacy



Original Color

58.5338, 66.0640, 18.0541

Protanomaly

59.5396, 66.2101, 17.8254

Deuteranomaly

63.3222, 65.8087, 23.8329

Tritanomaly

64.7342, 65.6674, 46.7993

Monochromacy



Original Color

58.5338, 66.0640, 18.0541

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.9650, 62.4703, 42.7738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5338, 66.0640, 18.0541 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 215, 84)` looks like.

```
.text, #text, p{  
    color:rgb(230, 215, 84)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 215, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 215, 84) }
```

Border

The CSS property to change the border of an element to XYZ 58.5338, 66.0640, 18.0541 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 215, 84) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 215, 84) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 215, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 215, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 215, 84);  
box-shadow:4px 4px 4px 4px rgb(230, 215,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5338, 66.0640, 18.0541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 215, 84) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
215, 84) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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